

carrying out software-controlled alternative routing operations via a respective one of the plurality of controllers.

- the control software is stored in a respective one of the plurality of controllers.

the stored control software reacts to control signals of a customer data device without influencing customer data of the customer data device.

- an automatic and decentralized control of the use of the satellite transmission capacity for the substitution of the out-of-order lines in the terrestrial networks and the alternative routing via a second transmission medium, including an automatic monitoring of capacity use, are effected via the control software.

the occupancy state of the satellite transmission capacity is monitored locally, and

a failure of a terrestrial call connection is detected locally.

- using a passive hub to collect connection data and preconfigure the master terminal and the slave terminal during an initial installation;

if a change in a network layout occurs, connecting the passive hub to the master terminal and the slave terminal via one of a telephone-modem link, an ISDN connection, a GSM connection with modem, and a satellite connection within an available network capacity.

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all connections to be alternatively routed are symmetrical duplex channels with identical data rates in a send direction and a receive direction.

25. (New) The circuit arrangement according to claim 23, wherein the individual transmission channels are combined into channel pairs having mid-frequencies.

26. (New) The circuit arrangement according to claim 22, wherein:

each one of the plurality of control units are connected via a communication line to a corresponding one of the plurality of satellite modems and to a plurality of control lines,

each one of the plurality of satellite modems is in communication with a corresponding satellite antenna of each backup terminal, and

the antenna of one of the plurality of backup terminals communicates with the antenna of another one of the plurality of backup terminals via defined carrier frequencies of the satellite.

27. (New) The circuit arrangement according to claim 22, wherein:

each one of the satellite modems and an associated one of the control units are arranged as an internal unit,

one of the plurality of backup terminals is arranged as a satellite external unit that includes the antenna, the carrier, the satellite, and a connection to an associated internal unit, and

a connection is made between the control unit of each of the internal units and the at least one of the terrestrial networks.

28. (New) The circuit arrangement according to claim 22, wherein:

the hub includes a personal computer that is connected via an interface card to the at least one of the terrestrial networks,

the hub is connected to other networks in order to forward connection data relating to at least one of a tariffing operation and an invoicing operation.

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